AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) In a computerized network environment including two or more computer systems sending messages through a network communication protocol, a method of receiving secure messages using custom security tokens, the method comprising:
 - an act of identifying one or more security tokens in a received message that has been encrypted, and a value type corresponding with each identified security token, wherein the one or more security tokens are represented in the message by a markup language identifier, and wherein the at least one identified security token is identified by the markup language identifier;
 - an act of matching the identified corresponding value type to a stored value type for a stored security token that the receiving computer system can access;
 - an act of receiving data from the at least one identified security token into the stored value type that has been matched, wherein the raw data includes one or more of identification information, and a custom property; and
 - an act of decrypting an encrypted portion of the received message based at least in part on the raw data received from the at least one identified security token.
- 2. (Original) The method as recited in claim 1, wherein the received message includes one or more digital signatures, the method further comprising an act of authenticating at least one of the one or more digital signatures.
- 3. (Original) The method as recited in claim 1, further comprising an act of receiving a message from a sending computer system, the message including an encrypted portion and one or more security tokens.
 - 4. (Cancelled)

- 5. (Original) The method as recited in claim 1, wherein the at least one identified security token is a binary security token.
- 6. (Currently Amended) The method as recited in claim 41, wherein the identified corresponding value type is a custom value type created by the sending computer system or the receiving computer system, and that the receiving and sending computer system can access.
- 7. (Original) The method as recited in claim 1, further comprising an act of updating one or more properties of the stored security token that is accessible by the receiving computer system with one or more of the identification information and the custom property.
- 8. (Original) The method as recited in claim 7, further comprising an act of creating a security key when updating the one or more properties of the stored security token.
- 9. (Original) The method as recited in claim 1, wherein the identified at least one security token is serialized in the received message based on a private key that is shared between the sending and receiving computer system.
- 10. (Original) The method as recited in claim 9, wherein the private key is accessed from a key provider that both the sending and the receiving computer systems can access.
- 11. (Original) The method as recited in claim 1, wherein the one or more security tokens are found in a security header portion of the message.
- 12. (Original) The method as recited in claim 11, wherein, prior to receiving the message, the at least one identified token is serialized into the security header portion of the message by transforming the at least one identified security token into base 64 encoded data.
- 13. (Original) The method as recited in claim 12, wherein deserializing comprises an act of converting data from the identified at least one token from base 64 encoding to a byte array.

- 14. (Currently Amended) In a computerized network environment including two or more computer systems sending messages through a network communication protocol, a method of receiving secure messages using custom security tokens, the method comprising:
 - an act of identifying one or more security tokens in a received message that has been encrypted, and a value type corresponding with each identified security token;
 - an act of matching the identified corresponding value type to a stored value type for a stored security token that the receiving computer system can access; and
 - an act of receiving data from the at least one identified security token into the stored value type that has been matched, wherein the raw data includes one or more of identification information, and a custom property;
 - an act of decrypting an encrypted portion of the received message based at least in part on
 the raw data received from the at least one identified security token; and a step for
 using customizable information contained within at least one of the identified one
 or more security tokens and the stored value type to decrypt the message and
 access data contained within the message
 - wherein, prior to receiving the message, the at least one identified token is serialized into the security header portion of the message by transforming the at least one identified security token into base 64 encoded data.

15-16 (Cancelled)

- 17. (Currently Amended) In a computerized network environment including two or more computer systems sending messages through a network communication protocol, a method of sending secure messages using custom security tokens, the method comprising:
 - an act of a sending computer system generating one or more security tokens using one or more corresponding value types, each token including token data that includes one or more of a custom property, a signature, and an encryption level;
 - an act of encrypting a portion of a message using at least one of the one or more generated security tokens;
 - an act of inserting the at least one generated security token in an outbound token collection, wherein the act of inserting the at least one generated security token in an outbound token collection further comprises:
 - an act of identifying a markup language representation of the at least one generated security token, and
 - an act of placing the markup language representation of the at least one generated security token in the outbound token collection.; and
 - an act of converting the token data for the outbound token collection using a private key that is accessible by the sending computer system and a receiving computer system.
- 18. (Original) The method as recited in claim 17, further comprising an act of including one or more digital signatures in the message, wherein the one or more digital signatures are authenticated prior to decrypting the encrypted portion of the message.
- 19. (Currently Amended) The method as recited in claim 17, further comprising an act of including private key information in the message, such that the receiving computer system can access the key from a key provider based on the key information before describing the message.

20. (Original) The method as recited in claim 17, wherein the act of converting the token data comprises serializing the token data into base 64 encoding.

21. (Original) The method as recited in claim 17, wherein the at least one generated

security token is a custom security token created using a custom value type, and wherein the

custom value type is accessible by both the sending and receiving computer systems.

22. (Original) The method as recited in claim 17, further comprising an act of creating a

signature or encryption function based on the included one or more of a custom property, a

signature, and an encryption level in the created binary token.

23. (Original) The method as recited in claim 17, further comprising an act of including a

program language value corresponding with each token that is included in the outbound token

collection.

24. (Original) The method as recited in claim 23, wherein the program language value is

a Common Language Runtime value.

25. (Cancelled)

26. (Currently Amended) The method as recited in claim 2517, further comprising an act

of assigning the markup language representation of the at least one generated security token a

global unique identifier.

27. (Original) The method as recited in claim 26, wherein the outbound token collection

is a hash table that is keyed by the global unique identifier of the at least one generated security

token.

28. (Original) The method as recited in claim 27, wherein the global unique identifier is

inserted into a signature or encryption portion of the message.

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- 29. (Currently Amended) In a computerized network environment including two or more computer systems sending messages through a network communication protocol, a method of sending secure messages using custom security tokens, the method comprising:
 - an act of a sending computer system generating one or more security tokens using one or more corresponding value types, each token including token data that includes one or more of a custom property, a signature, and an encryption level;
 - an act of encrypting a portion of a message using at least one of the one or more generated security tokens;
 - an act of inserting the at least one generated security token in an outbound token collection;
 - an act of converting the token data for the outbound token collection using a private key

 that is accessible by the sending computer system and a receiving computer

 system; and
 - an act of including a program language value corresponding with each token that is included in the outbound token collection a step for using the generated one or more security tokens to secure a message to be sent to a receiving computer system computer, whereby the message does not have to be decrypted or deserialized by an intermediate service provider prior to the message reaching the receiving computer system.
 - 30-31 (Cancelled)
- 32. (New) The method as recited in claim 14, wherein deserializing comprises an act of converting data from the identified at least one token from base 64 encoding to a byte array.
- 33. (New) The method as recited in claim 29, wherein the program language value is a Common Language Runtime value.